

Cell Theory



The Cell Theory



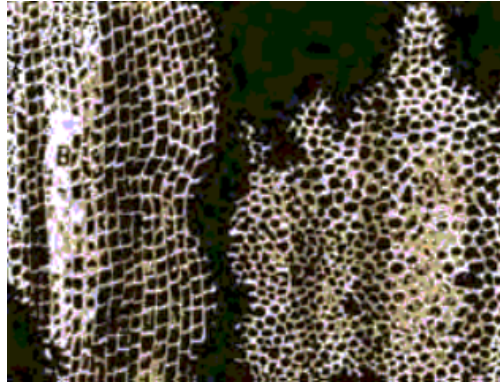
Microscopes revealed the presence of cells and show their detailed structure.

Animal and Plant cells contain **organelles**

Organelles are **“little organs”**:
small bodies that have a specific structure and function

Robert Hooke 1665

- Came up with the name “cells” while observing cork from a tree
- Cork cells looked like cells in a monastery



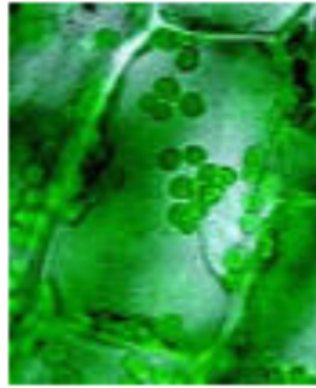
1673-1674 Anton van Leeuwenhoek

- Used single-lensed microscope to observe pond water



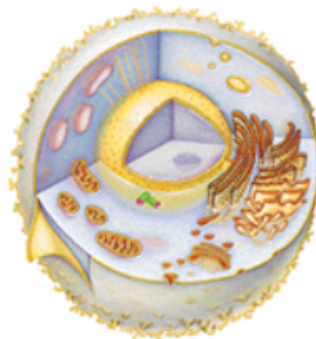
Matthias Schleiden 1838

- Discovered that all plants are made of cells



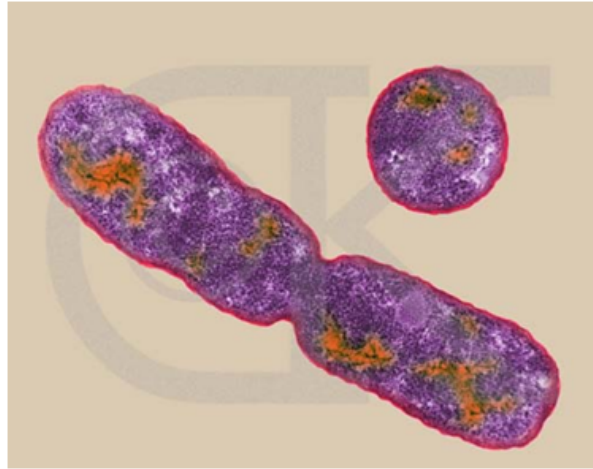
Theodore Schwann 1839

- Discovered all animals are made of cells



Rudolf Virchow 1858

- Formulated the idea that all cells must come other, previously from existing cells.



3 Parts of the Cell Theory

1. All living things are made of cells.
2. Cells are the basic unit of structure and function.
3. All cells come from preexisting cells.